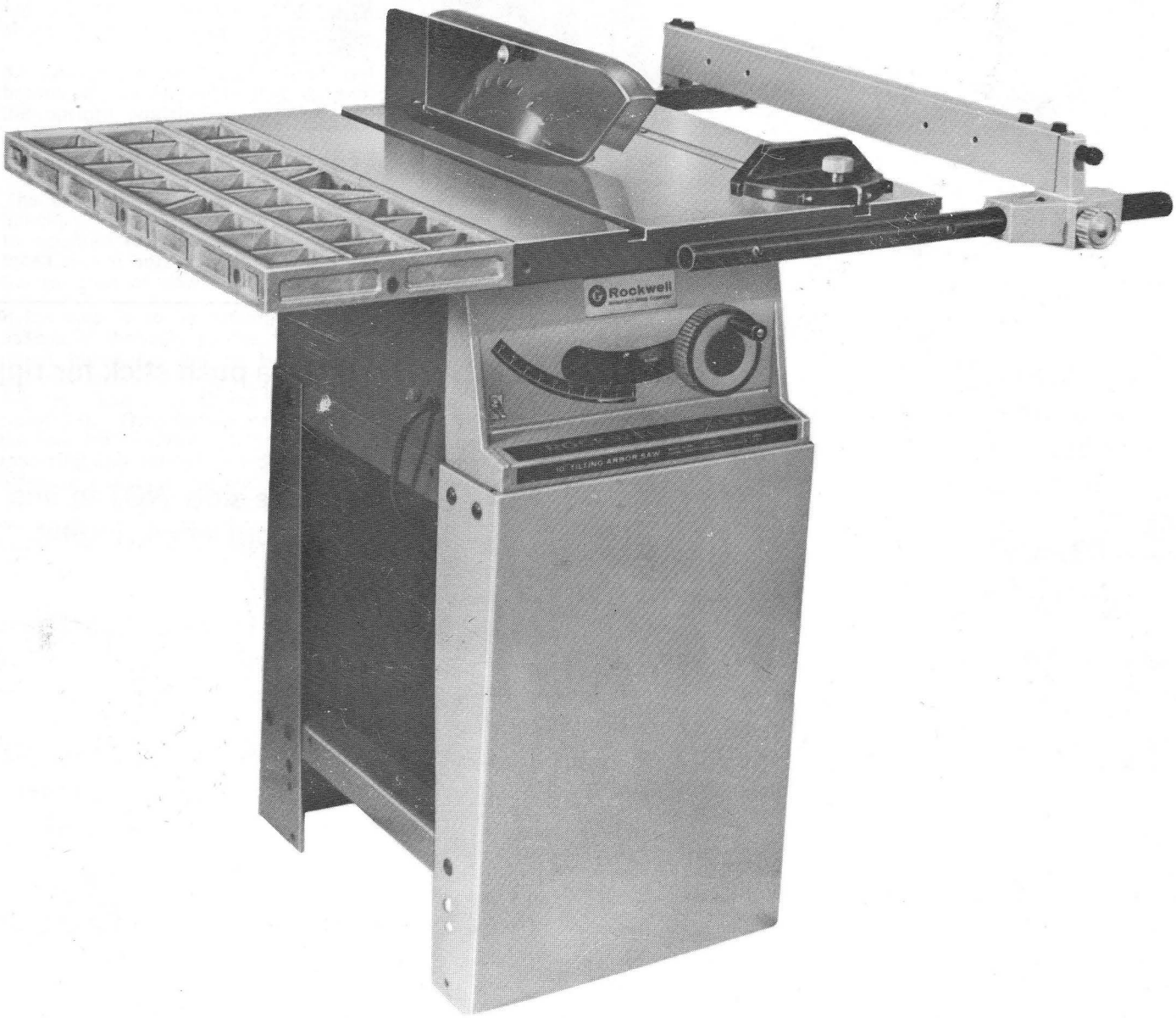
Rockwell

PM-1085972

DATED 2-15-72

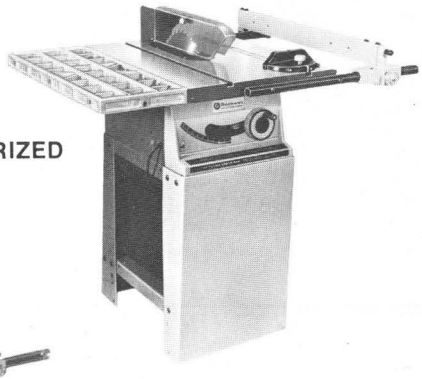
ROCKWELL/DELTA
10" MOTORIZED CIRCULAR SAW
(beginning with Serial No. EK—3600)



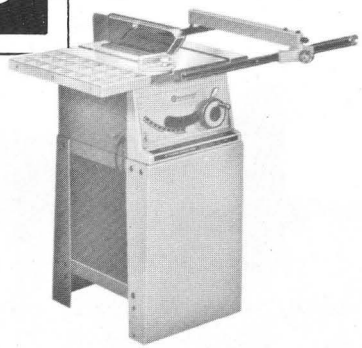
INTRODUCTION

The Rockwell/Delta 10" Motorized Circular Saw you have just purchased is a quality-built machine, capable of dependable performance throughout its lifetime. In order to take full advantage of these capabilities you should thoroughly understand the construction and assembly of the saw and the proper technique for operating it. Therefore, we suggest you read this manual before operating the saw and also that you save it for future reference.

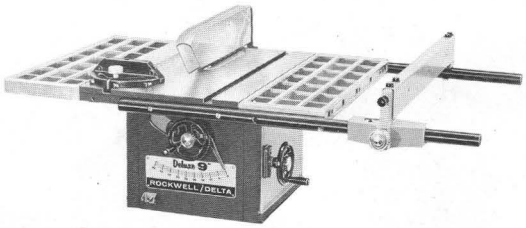
SAFETY SUGGESTIONS FOR ROCKWELL DELTA CIRCULAR SAWS



10" MOTORIZED SAW



9" MOTORIZED SAW



9" TILTING ARBOR SAW

1. IF YOU ARE NOT thoroughly familiar with the operation of Circular Saws, obtain advice from your supervisor or instructor.
2. REMOVE tie, rings, watch and other jewelry, and roll up sleeves.
3. ALWAYS wear safety glasses or a face shield.
4. KEEP saw blade sharp and free of all rust and pitch.
5. MAKE all adjustments with the power off.
6. GUARDS should be in place and used at all times.
7. ALWAYS use splitter and anti-kick back fingers when ripping.
8. ALWAYS hold the work firmly against the miter gage or fence.
9. ALWAYS use a push stick for ripping narrow stock.
10. STAND to one side, NOT in line with the saw cut when ripping.
11. MOVE the rip fence out of the way when cross cutting.
12. WHEN CUTTING mouldings, NEVER run the stock between the fence and the moulding cutterhead.
13. NEVER use the fence as a cut-off gage when cross cutting.
14. DISCONNECT saw from the power source when making repairs.
15. SHUT OFF power and clean the saw before you leave it.

UNPACKING

Remove the saw, blade guard, miter gage, guide rails and rip fence from the carton.

ASSEMBLING STAND

If you purchased the 50-108 Stand, assemble it as follows:

1. Remove stand from carton.

2. Lay the back panel (A) Fig. 2, on a table or floor with the inside of the panel facing up. NOTE: The bottom of the panels can be determined by the holes for the retractable caster attachment (B).

3. Assemble the four side braces (C) and (D) Fig. 2, to the back panel using the six bolts, washers, lockwashers and nuts (E). IMPORTANT: The top braces (C) must be assembled to the back panel (A) with the top lip (F) of the panel positioned underneath the brace (G) as shown in Fig. 2.

4. Assemble the front panel (H) to the four side braces (C) as shown in Fig. 2, and place the stand in the upright position.

ASSEMBLING SAW TO STAND

The saw can be mounted on a suitable wood stand or bench, or the 50-108 Rockwell Steel Stand. If the saw is mounted to a wood stand or a bench, care must be taken that a hole is provided in the bench, to facilitate the removal of saw dust.

If the saw is to be mounted to the 50-108 Steel Stand, assemble the saw to the stand by lining up the four round holes located on the bottom ledge of the saw cabinet with the four round holes on the braces (C) Fig. 2. The front of the saw will be toward the front panel (H). Then fasten the saw to the stand by placing the four flat washers (J) on the four hex screws (K) and inserting the screws (K) down through the holes in the ledge of the saw cabinet (O) and through the holes in the braces (P) of the stand. Then place the four flat washers (L), four lock washers (M) on the four hex head screws (K) and fasten in place using the four nuts (N) Fig. 2.

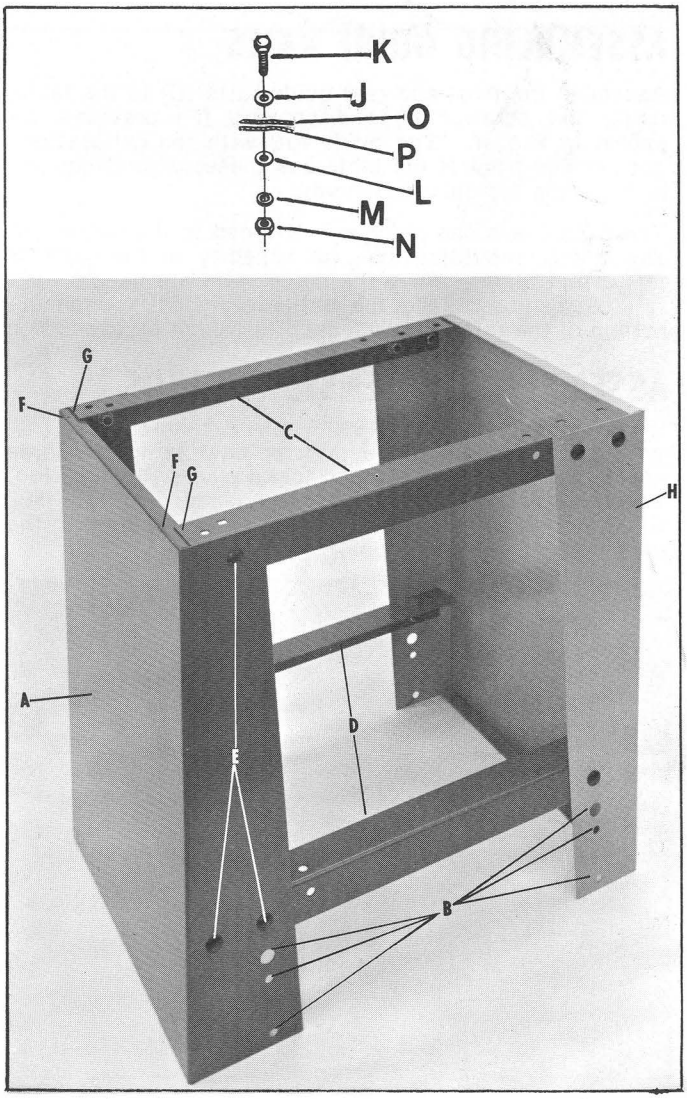


Fig. 2.

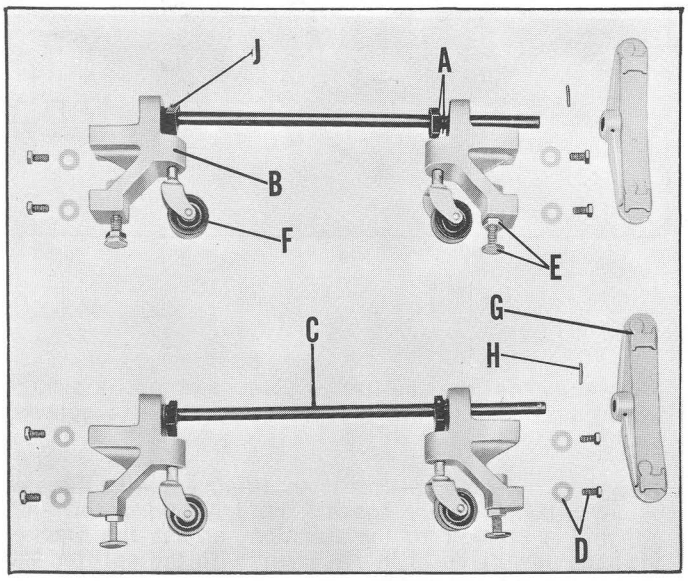


Fig. 3.

ASSEMBLING RETRACTABLE CASTER ATTACHMENT

If you have purchased the 50-118 Retractable Caster Attachment for use on the stand, assemble it to the stand as follows:

1. The foot levers can be mounted on either side of the stand. Decide which side you wish to mount them and lay the stand on its back.

2. Place the cams (J) spring washer and fiber washers (A) along with the brackets (B) on the rod assemblies (C), as shown in Fig. 3.

3. Place the rod assemblies (C) Fig. 3, up in the inside of the stand and insert the long end of the rod through the large knockout holes in the front and rear panel on the side you want the foot levers.

4. Attach the brackets (B) to the front and rear panels using the eight screws and washers (D) Fig. 3.

5. Attach the leveling screws and nuts (E) to the brackets (B) Fig. 3. Then assemble the casters (F) to the brackets (B).

6. Attach the foot lever (G) to the long end of the bars using the roll pin (H) Fig. 3.

7. Return the stand to its normal position and adjust the leveling screws if necessary.

ASSEMBLING GUIDE RAILS

Assemble the front and rear guide rails (D) to the table, using the screws (E) and spacers (F) provided, as shown in Fig. 4. The guide rail with the calibrations goes on the front of the table and these calibrations are to be on the top side, as shown.

The guide rails can also be positioned to the left of the saw blade, providing 24" rip capacity to the right or left of the blade. When the guide rails are used on the left of the saw blade the calibrations will be on the bottom of the rail and consequently cannot be used.

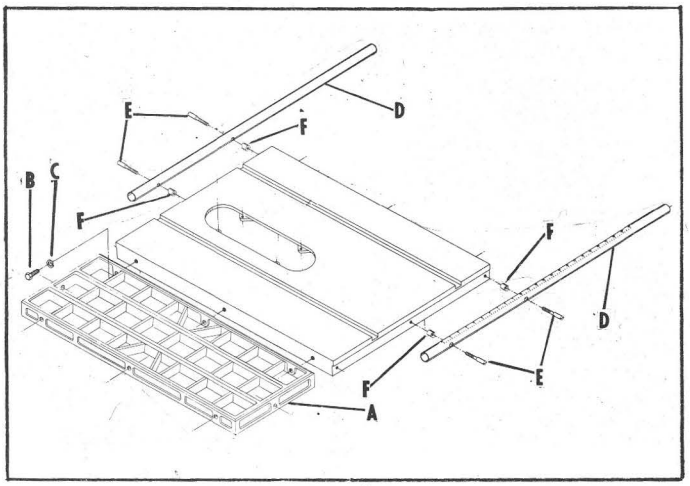


Fig. 4.

ASSEMBLING EXTENSION WINGS

If you purchased the #34-862 Table Extension Wing (A), assemble it to the table of your saw using the three hexagon head screws (B) and lockwashers (C) supplied, as shown in Fig. 4. If desired an additional #34-862 Extension Wing may be purchased and assembled to the other end of the table.

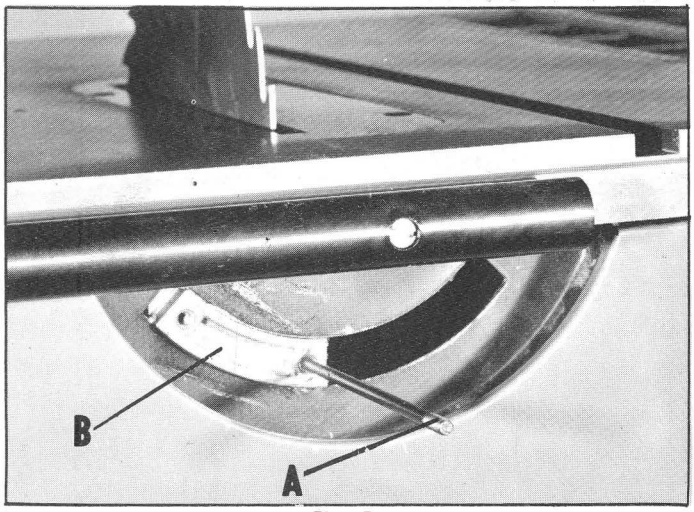


Fig. 5.

2. Assemble the bracket (E) Fig. 6, to the threaded rod (A) and fasten finger tight using the washer, lockwasher and nut (C). The hex head screw, washer, and lockwasher (D) are used to fasten the left side of the bracket to the sliding trunnion, bracket.

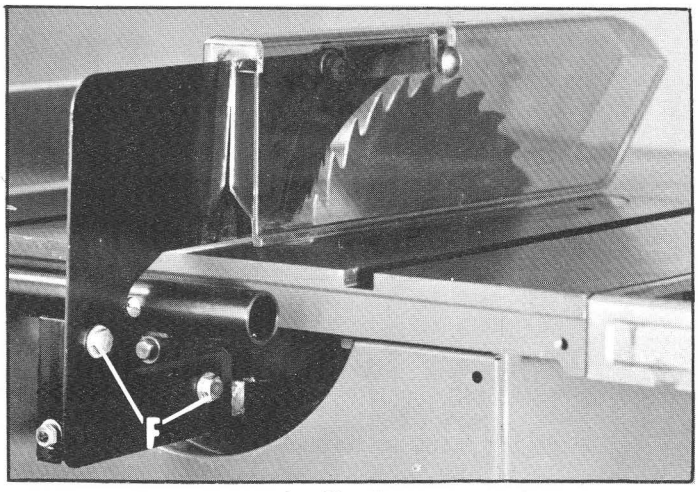


Fig. 7.

ASSEMBLING BLADE GUARD

The 34-638 Blade Guard is supplied as standard equipment with your saw. It is a splitter mounted type guard and provides maximum operator protection. Assemble the guard to your saw as follows:

1. Assemble the threaded rod (A) Fig. 5, to the right hand hole in the sliding trunnion bracket (B).

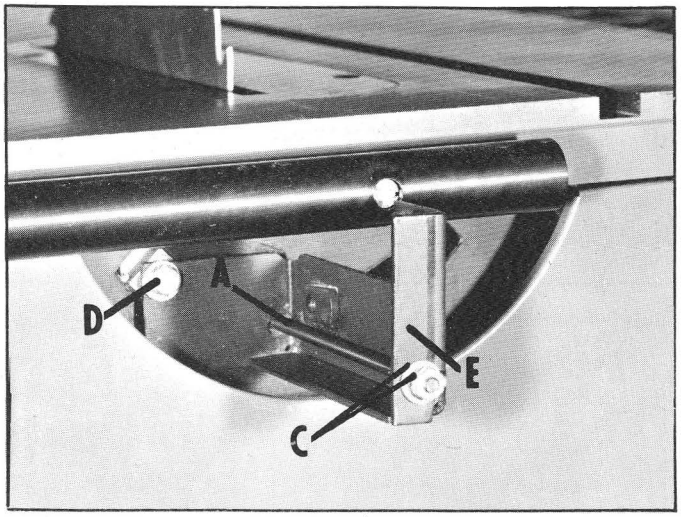


Fig. 6.

3. Assemble the splitter, guard and anti-kickback finger assembly to the bracket using the two screws, washer (F) Fig. 7.

4. Make sure the splitter is in alignment with the saw blade. If necessary loosen the nut and screw that attach the bracket to the trunnion, adjust the bracket until the saw blade is in alignment with the splitter and tighten the nut and screw.

GROUNDING INFORMATION

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved 3-conductor cord and 3-prong grounding type plug to fit the proper grounding type receptacle as shown in Fig. 8. The green conductor in the cord is the grounding wire. Never connect the green wire to a live terminal.

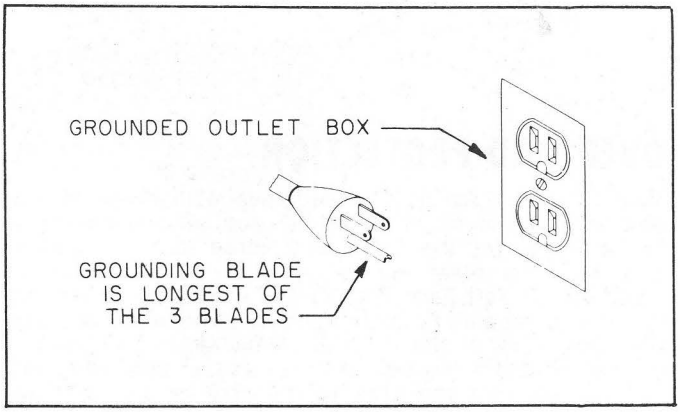


Fig. 8.

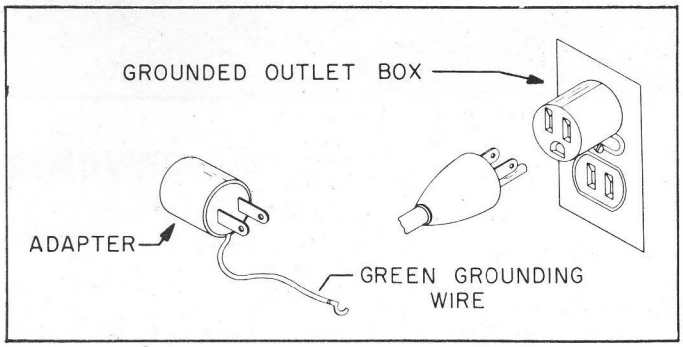


Fig. 9.

An adapter, shown in Fig. 9, is available for connecting 3-prong grounding type plugs to 2-prong receptacles. THIS ADAPTER IS NOT APPLICABLE IN CANADA. The green grounding wire extending from the adapter, must be connected to a permanent ground such as to properly grounded outlet box, as shown in Fig. 9.

BLADE TILTING MECHANISM

To tilt the saw blade for bevel cutting, loosen the lock handle (B) Fig. 10, by moving it to the left, and turn the blade tilting handwheel (C). When the desired angle is obtained, tighten lock handle (B) Fig. 10.

The angle of the blade can be seen on the tilt angle scale conveniently located on the front of the cabinet.

BLADE RAISING MECHANISM

To raise or lower the saw blade, turn the raising handwheel (A) Fig. 10. With the exception of hollow ground blades, the blade should be raised 1/8" to 1/4" above the top surface of the material being cut. With hollow ground blades the blade should be raised to the maximum to provide greater clearance.

With the blade set at 90 degrees, the maximum depth of cut is 3 1/4".

With the blade set at 45 degrees, the maximum depth of cut is 2 1/8".

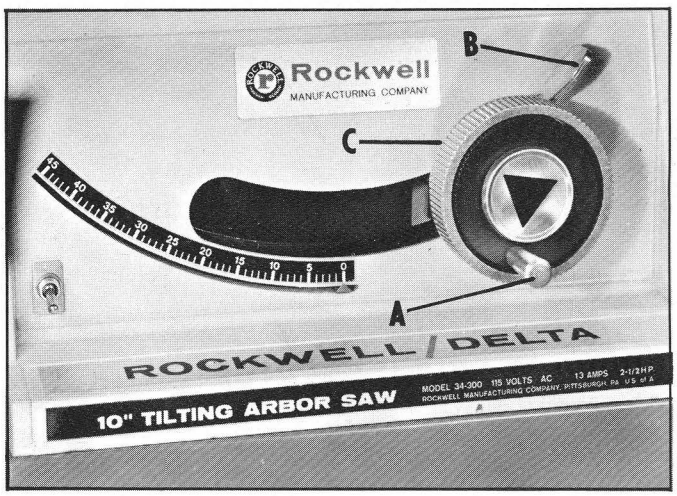


Fig. 10.

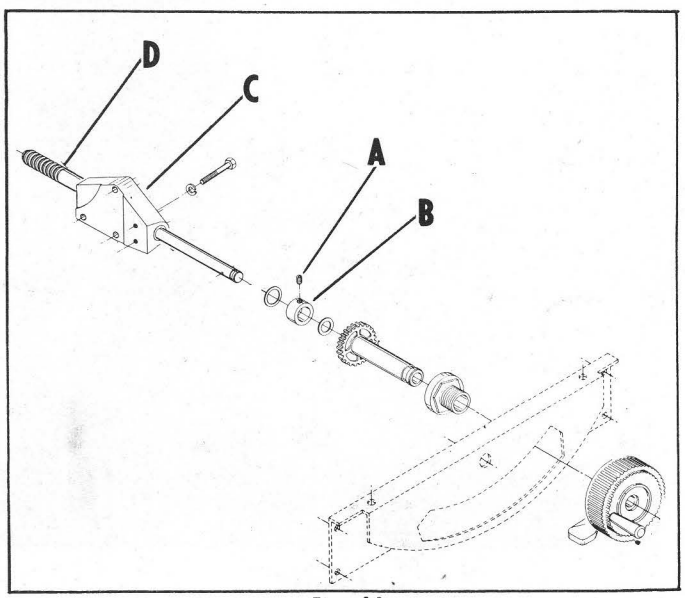


Fig. 11.

After the blade is set for the desired cutting height it should remain in this position. If the cutting height does not remain constant it is usually an indication of an excessive amount of backlash between the worm on the control shaft (D) Fig. 11, and the teeth of the elevating gear. To adjust, proceed as follows:

1. Loosen set screw (A) Fig. 11, and move the set collar (B) up tightly against the end of the control shaft support bracket (C) and tighten set screw (A).

2. This adjustment will eliminate end play in the control shaft (D) Fig. 11, and the cutting depth will remain constant.

OVERLOAD PROTECTION

Your 10" Motorized Saw is equipped with overload protection. If the motor shuts off due to overloading or low voltage, let the motor cool three to five minutes, and push the reset button (A) Fig. 12, which is located on the left hand side of the saw cabinet. If this trouble is repeated, investigate to determine and correct the cause of the trouble. Many times this type of failure indicates the use of an extension cord which is too long or that the size of the cord is too small to carry the current required.

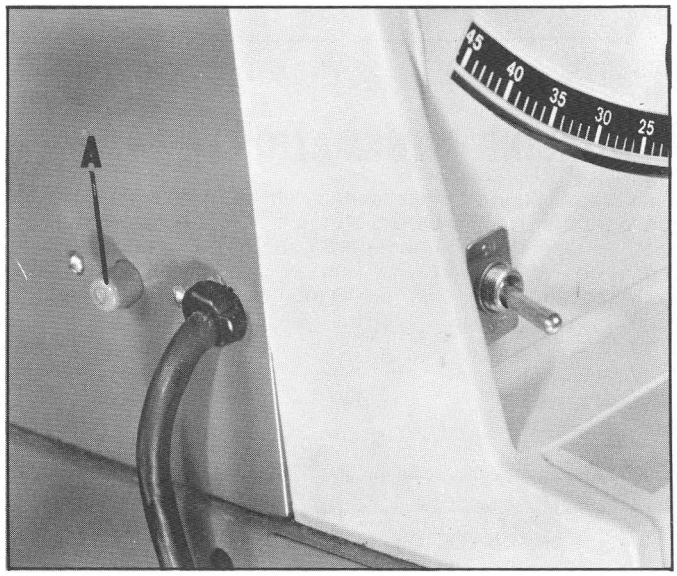


Fig. 12.

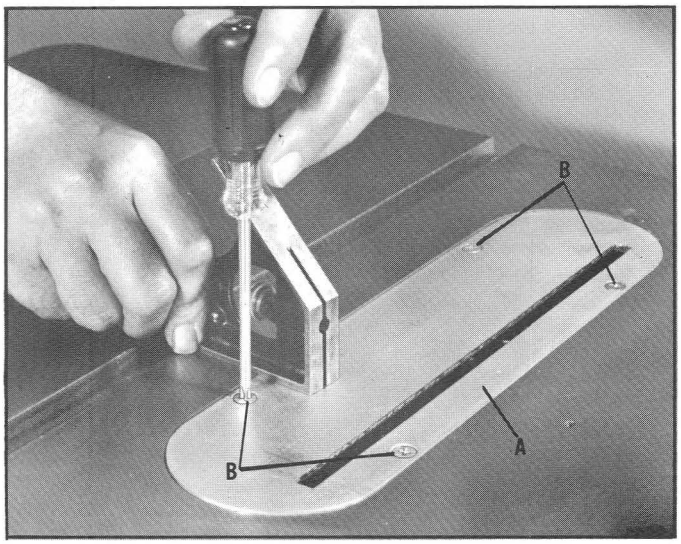


Fig. 13.

TABLE INSERT

The table insert should always be flush with the table top. To adjust the table insert (A) Fig. 13, use a Phillips head screw driver and turn the adjusting screws (B) in or out until the insert is flush with the table, as shown in Fig. 13.

RIP FENCE

The rip fence can be used on either side of the saw blade. The most common location is on the right hand side. To align the rip fence to the miter gage slot, refer to Step No. 6 under OPERATING ADJUSTMENTS. The rip fence is guided by means of guide rails fastened to the front and rear of the table. The front guide rail is calibrated to show the distance the fence is set from the saw blade.

To move the rip fence, loosen both front lock knob (A), and rear lock knob (B) Fig. 14. The fence can then be moved to the desired position on the guide rails.

If an adjustment to the pointer is necessary, loosen set screw (C) move the pointer to the correct position and tighten set screw (C).

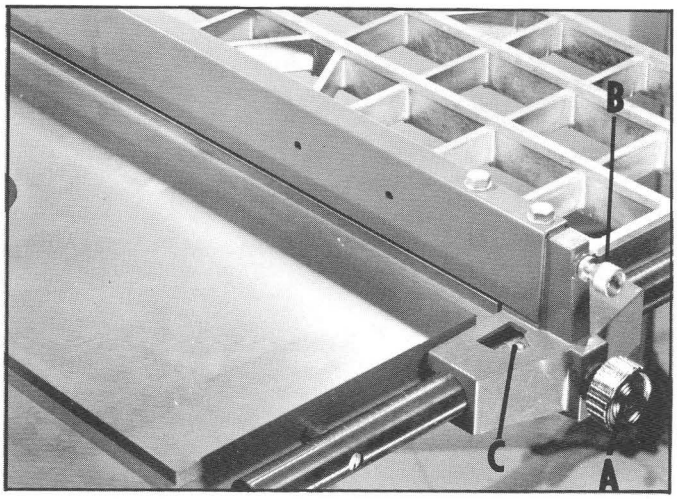


Fig. 14.

SAW BLADES

The saw blade furnished with your saw is a 10"Combination Blade suitable for both crosscutting (across the grain) and ripping (with the grain.)

Saw blades should always be sharp and unless you are capable of properly sharpening or setting saw blades, we suggest you locate a reputable sharpening service to sharpen your blade.

Always keep saw blades clean.

CAUTION: ABRASIVE WHEELS OF ANY KIND SHOULD NOT BE USED WITH YOUR ROCKWELL/DELTA 10" MOTORIZED SAW.

REMOVING SAW BLADES

1. To remove the saw blade from your saw, first disconnect the saw from the power source.

2. Remove the table insert.

3. Place the hex wrench (A) in the hex slot in the end of the arbor and, with a wrench, turn the arbor nut toward you, as shown in Fig. 15.

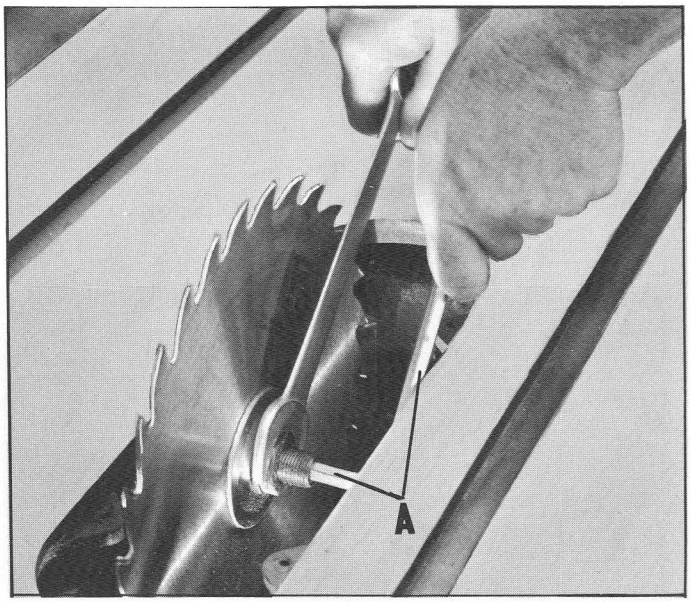


Fig. 15

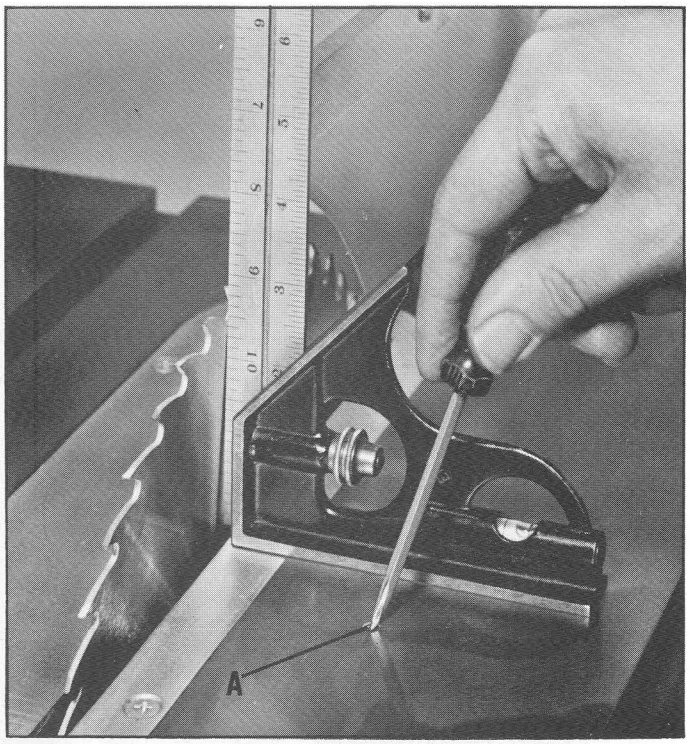


Fig. 16

OPERATING ADJUSTMENTS

The principle adjustment of your saw is the relationship between the saw blade to the fence and table.

These adjustments were made at the factory, however, during shipment they may have been disturbed.

The following adjustment should be checked and adjusted if necessary.

1. Raise the saw blade as far as it will go.

2. Set the blade at 90 degrees by loosening the locking handle and turning the tilting handwheel counterclockwise as far as it will go.

3. Place a square on the table as shown in Fig. 16, and check to see if the blade is at a perfect 90 degree angle.

4. If the blade is not at 90 degrees, back off set screw (A) Fig. 16, and turn the tilting handwheel until you are certain the blade is at 90 degrees to the table. Then tighten set screw (A) Fig. 16.

5. When you are sure the blade is at 90 degrees, make sure the pointer on the tilting angle scale reads 0 degrees.

6. The blade is set parallel to the miter gage slot at the factory. The fence should be adjusted so it is parallel to the miter gage slot. To check the rip fence, set it at one of the miter gage slots. Tighten the front lock knob (A) and rear lock knob (B) Fig. 17. The fence should then line up parallel with the miter gage slot. If an adjustment is necessary loosen the fence adjusting screws (C) and rear lock knob (B) Fig. 17.

With the front lock knob (A) Fig. 17, still tight, move the back end of fence to the right or left lining it up to the miter gage slot. Then tighten the rear locking knob (B) and fence adjusting screws (C) Fig. 17.

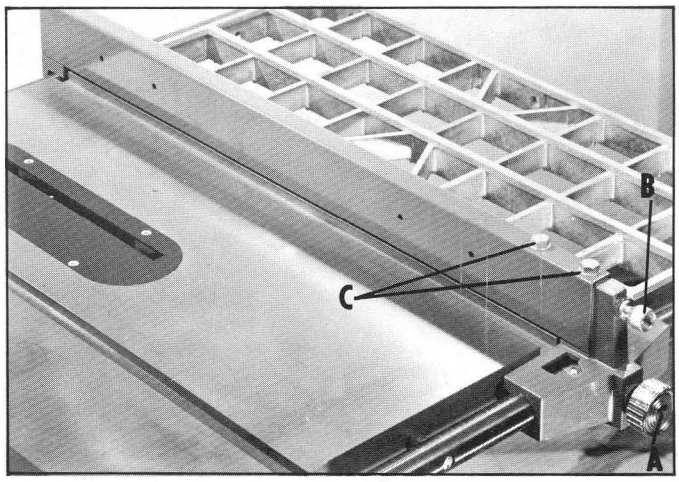


Fig. 17

BELT REPLACEMENT

Should you find it necessary to remove or replace the drive belt of your saw, proceed as follows:

1. Disconnect the saw from the power source.

2. Remove the table insert and saw blade.

3. Slide the belt (A) Fig. 18, off the motor shaft and at the same time slide off the blade arbor flange (B). NOTE: For clarity, the photograph shown in Fig. 18, is taken from the underside of the saw.

4. Reassemble in the reverse order.

BRUSHES

Brush life varies. It depends on the load on the motor. For a new machine or after a new set of brushes has been installed, check the brushes after the first 50 hours of use.

After the first check, examine them after about every 10 hours of use until such time that replacement is necessary.

When carbon on either brush is worn to 3/16" in length or if either spring or shunt wire is burned or damaged in any way, replace both brushes.

The brush holders are located on the end of the motor opposite each other. One brush holder (C) can be seen in Fig. 18. If the brushes are found serviceable after removing, reinstall them in the same position as removed.

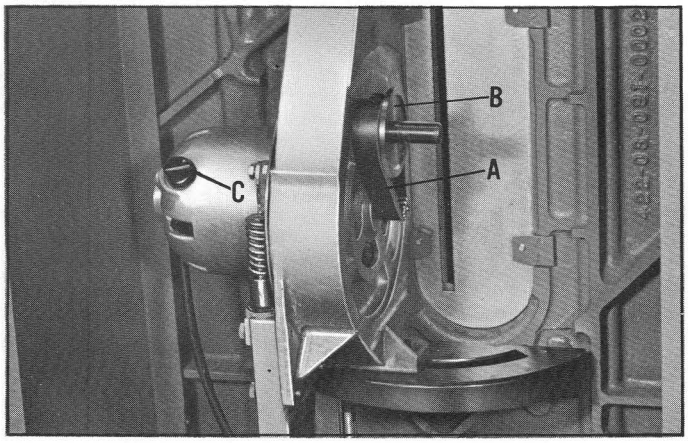


Fig. 18

MITER GAGE

The miter gage supplied with your saw is accurately constructed and equipped with individually adjustable index stops at 90 degrees and 45 degrees right and left. Adjustment to the index stop can be made by tightening or loosening the three adjusting screws shown at (A, B, C) Fig. 19.

To operate the miter gage, simply loosen the lock knob (D) Fig. 19, and move the body of the miter gage (E) to the desired angle. The miter gage body will stop at 0 degrees and 45 degrees both right and left. To rotate the miter gage body past these points simply flip down the stop (F) Fig. 19.

The head of the miter gage pivots on a special tapered screw that fastens the head of the miter gage to the bar. If the miter gage head does not pivot freely or after long usage pivots too freely, it can be adjusted by loosening set screw (ref. #41 on page 12) and, turning the tapered screw (ref. #46) in or out. Be sure to tighten set screw (ref. #41) after adjustment is made.

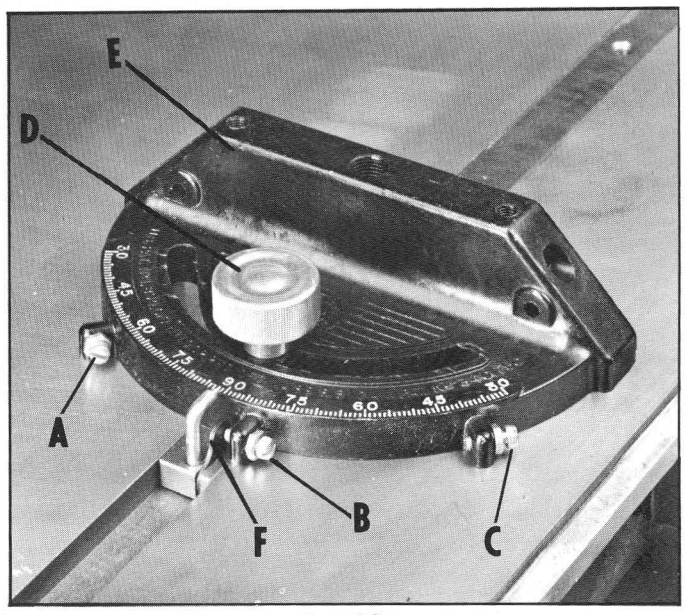
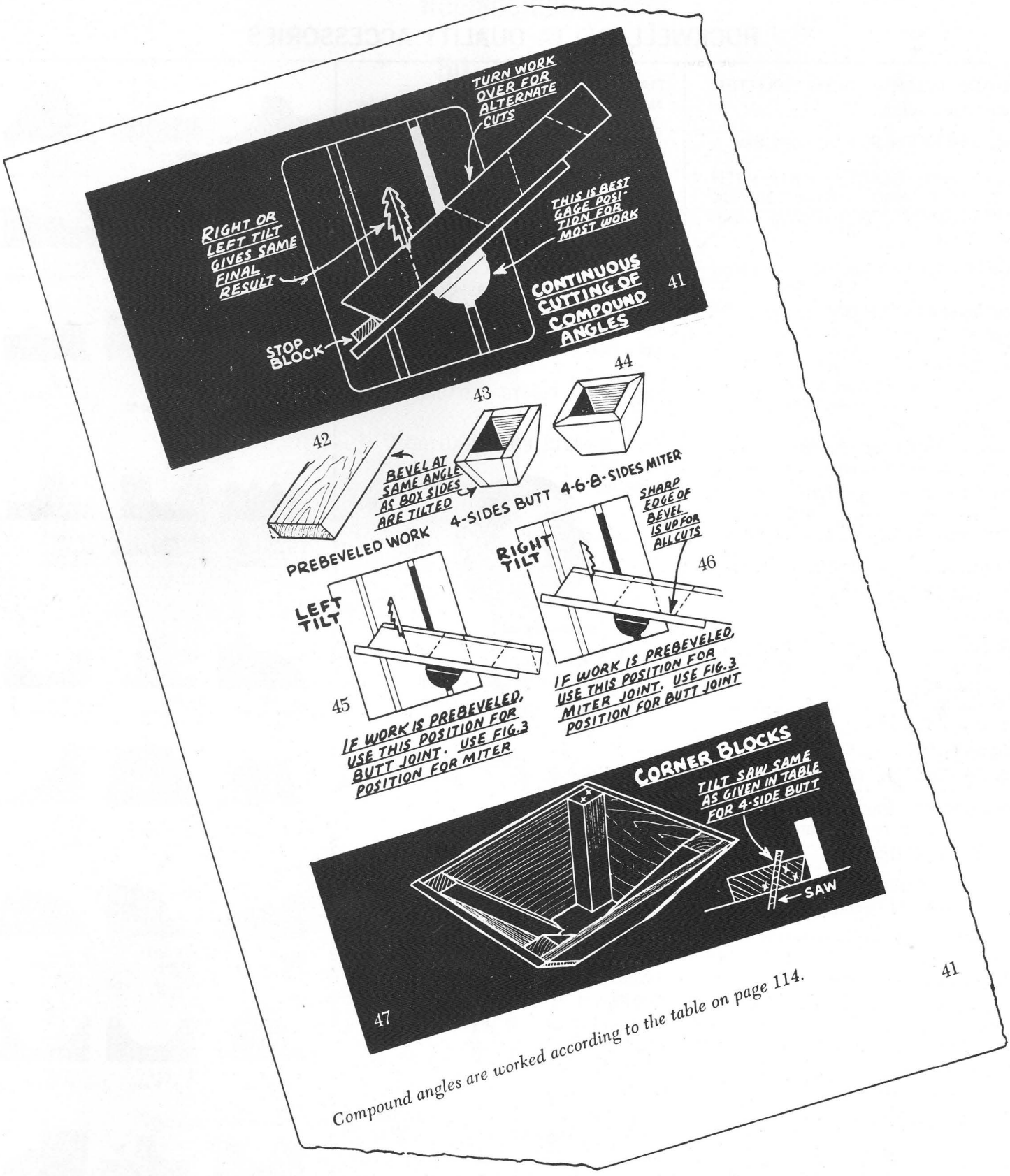


Fig. 19


TURN WORK OVER FOR ALTERNATE CUTS
RIGHT OR LEFT TILT GIVES SAME FINAL RESULT
THIS IS BEST GAGE POSITION FOR MOST WORK
STOP BLOCK
CONTINUOUS CUTTING OF COMPOUND ANGLES
41
42
43
44
BEVEL AT SAME ANGLE AS BOX SIDES ARE TILTED
PREBEVELED WORK
4-SIDES BUTT
4-6-8-SIDES MITER
LEFT TILT
RIGHT TILT
SHARP EDGE OF BEVEL IS UP FOR ALL CUTS
45
46
IF WORK IS PREBEVELED, USE THIS POSITION FOR BUTT JOINT. USE FIG.3 POSITION FOR MITER
IF WORK IS PREBEVELED, USE THIS POSITION FOR MITER JOINT. USE FIG.3 POSITION FOR BUTT JOINT
CORNER BLOCKS
TILT SAW SAME AS GIVEN IN TABLE FOR 4-SIDE BUTT
SAW
47
41
Compound angles are worked according to the table on page 114.

There are numerous operations which can be performed on your Circular Saw. We show you how simple these operations are in our publication No. 4701, "GETTING THE MOST OUT OF YOUR CIRCULAR SAW AND JOINTER."

Above is only one page from this book. It contains hundreds of illustrations, charts and many helpful hints.

ROCKWELL DELTA QUALITY ACCESSORIES

BLADE GUARDS WITH SPLITTER
For added safety.

No. 34-839 For 9" Motorized Saw

"SEE-THRU" BLADE GUARDS WITH SPLITTER AND ANTI-KICKBACK ATTACHMENT. For maximum operator safety.

No. 34-638 For 9" and 10" Motorized Saws.

No. 50-864 MITER GAUGE. For all 9" and 10" Saws.

No. 34-568 CLAMP ATTACHMENT. For use with 50-864 Miter Gauge. Holds work securely for accurate miter and cut-off

TABLE EXTENSIONS. To increase circular saw table size.

No. 34-601 22" x 7½" Extension. For 9" Saws. Grid type. Two required to increase table size to 22" x 30"

STANDARD TABLE INSERTS.

No. 34-822 For 10" & 9" Motorized Saws

TABLE SAW BLADES. All with ⅝" diameter arbor hole, unless otherwise noted.
COMBINATION. For ripping and cross-cutting.

No. 34-627 9" Dia. 28 teeth

No. 34-708 9" Dia. 44 teeth

HOLLOW GROUND. Rips, cross-cuts, miters smooth to eliminate sanding.

No. 33-227 9" Diameter

RIP. For fast cutting with the grain.

No. 33-198 9" Diameter

CROSS-CUT. Produces smooth, even cuts across the grain.

No. 33-223 9" Diameter

PLYWOOD. Fine tooth blade for splinter-free cutting.

No. 34-707 7" Diameter

CARBIDE-TIPPED COMBINATION. For production operations.

No. 34-840 9" Diameter

No. 34-709 9" HARD TOOTH COMBINATION BLADE. With ⅝" diam. arbor hole. For fast, accurate cutting of hardwoods and plastic; excellent (with lubricant) for lightweight aluminum extrusions, soft, non-ferrous metals

DADO HEAD TABLE INSERTS
No. 34-823 For 10" and 9" Motorized Saws

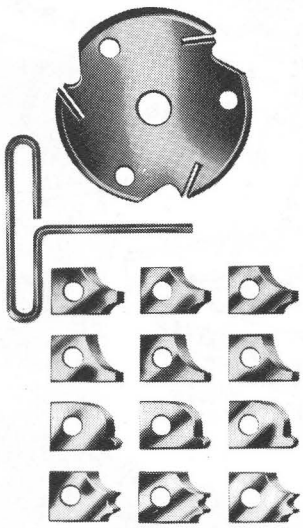
DADO HEAD SETS
No. 34-960 Tru-Cut 6" Adjustable Dado with storage case. Fits ⅝" and ¾" dia. saw arbors. Lets you dial the cut you want from ¼" to 13/16" wide—up to ¾" deep. Width of cut can be adjusted without removing dado from saw arbor

No. 34-334 Economy Dado Head Set. With ⅝" arbor hole. Consists of two flat-ground outer blades (6" dia. x ⅛" thick) and five inside cutters (four ⅛" thick; one 1/16" thick)

MOULDING CUTTERHEAD TABLE INSERTS.

No. 34-824 For 10 & 9" Motorized Saws

MOULDING CUTTERHEAD SETS



No. 34-562 Moulding Cutterhead Assembly

No. 34-821 Basic Moulding Cutterhead Set. For use on ½" and ⅝" dia. arbor saws. Includes 34-562 cutterhead, 34-521 wrench and 35-102 knives

No. 34-813 Deluxe Moulding Cutterhead Set. Same as above except with 35-102, 35-103, 35-221 and 35-222 knives

With a Moulding Cutterhead and these 32 Sets of Knives You Can Cut Thousands of Different Mouldings On Your Circular Saw.

Each set consists of three knives. ¼ lb. Knives are shown ½ size.

35-100 1/2" Cove, 5/16" Quarter Round

35-101 5/16" Cove, 3/8" Bead

35-102 1/8" & 3/8" Qr. Rd. and 1/4" Beads

35-103 1/4" & 1/2" Qr. Rd.

35-104 Straight

35-106 90° Flute

35-110 Drawer Joint

35-120 Ogee

35-121 Window Sash

35-123 Door Moulding (m)

35-126 Door Moulding (f)

35-131 Glue Joint

35-190 3 Bead (5/16" Bead)

35-196 Wedge Tongue

35-197 Wedge Groove

35-198 Table Edge

35-201 1/2" Flute

35-202 1/2" Bead

35-204 3/4" Flute

35-211 1" Flute

35-221 Thumb Moulding

35-222 1/2" Cove 1/4" Flute

35-223 Ogee

35-224 5/8" Cove

35-236 5/8" Flute

35-237 5/8" Bead

35-238 3/4" Bead

35-241 1/4" Tongue

35-242 1/4" Groove

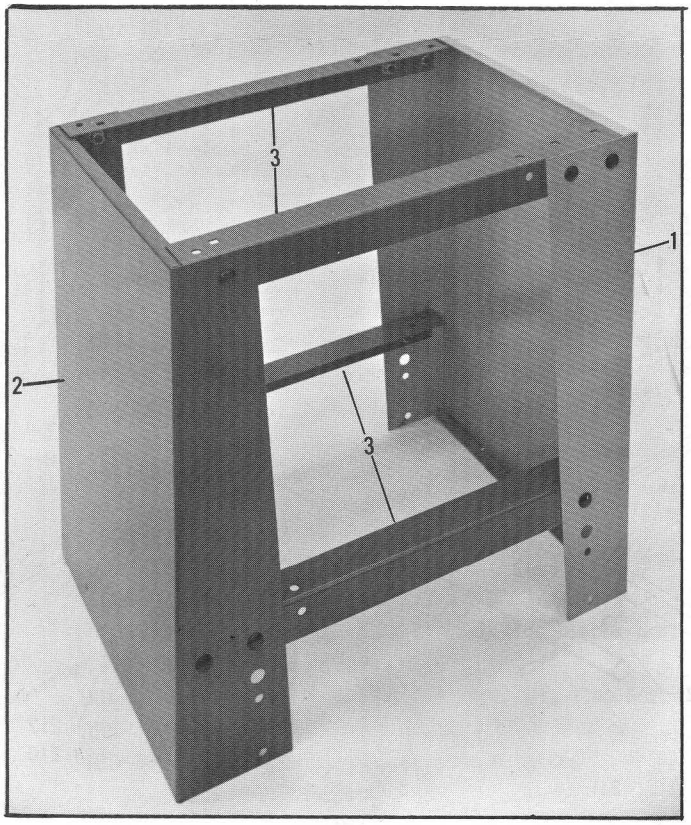
35-243 Cove & Bead Moulding

35-245 Oval Sash

35-247 Door Lip

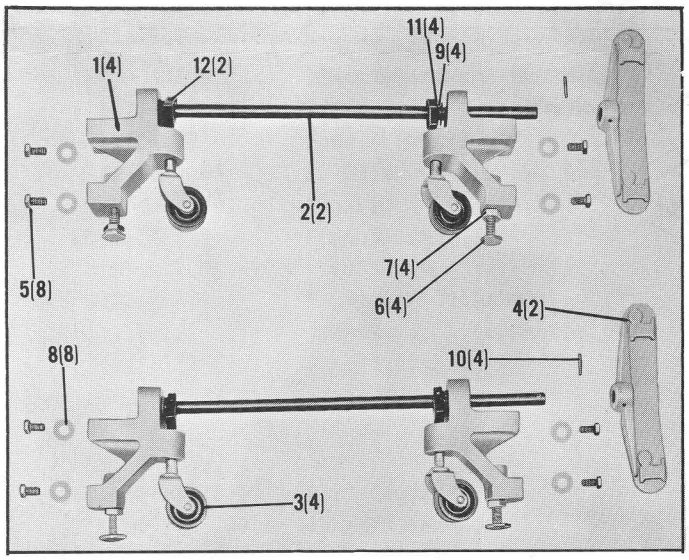
Replacement Parts

50–108 STAND



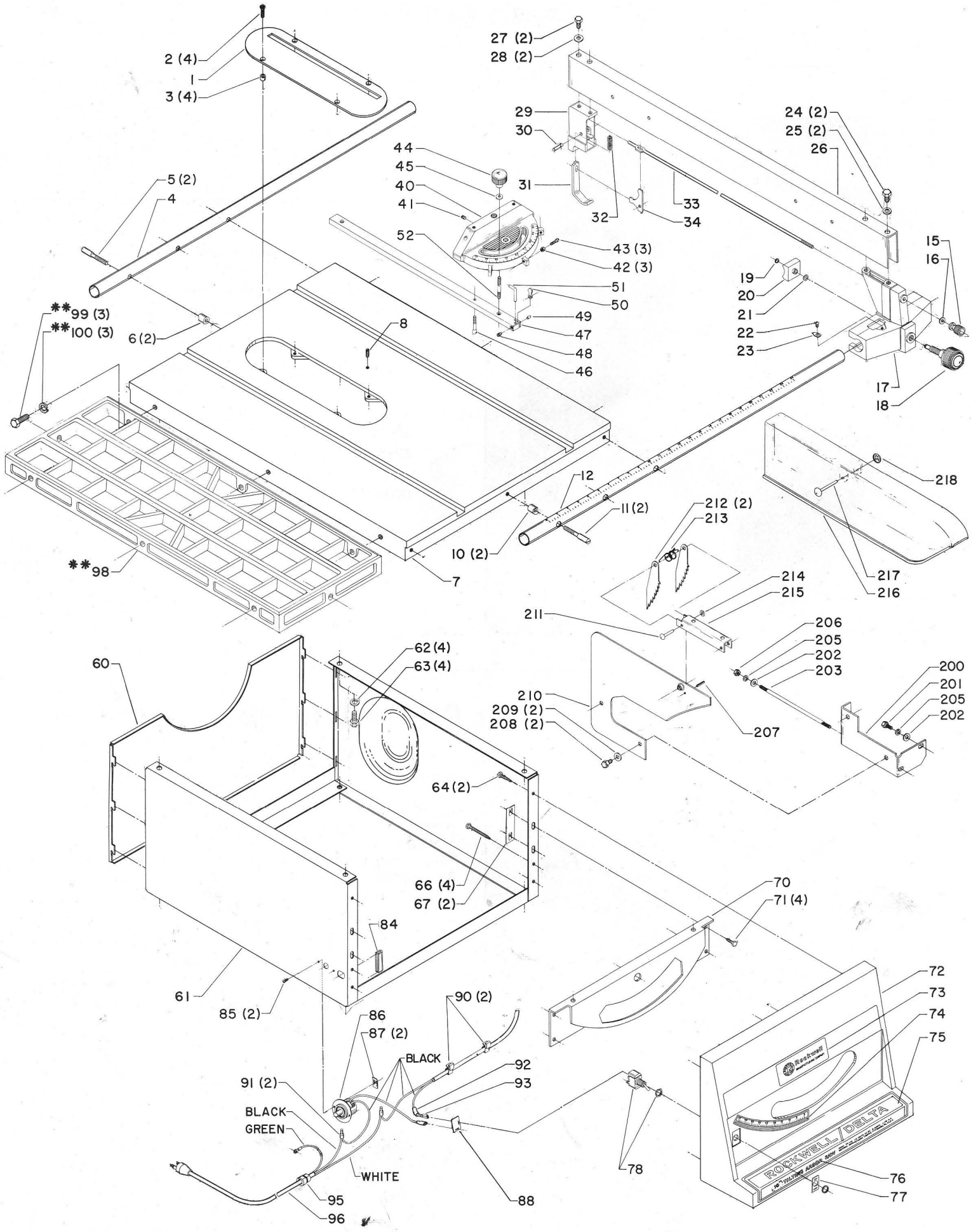
Ref. No.	Part No.	Description
1	436-02-331-0003	Front Panel
2	436-02-331-0004	Back Panel
3	436-02-403-0002	Side Braces
	SP-626	1/4 - 20 x 3/4 Hex. Head Cap Screw
	904-01-031-7712	17/64 x 13/16 x 1/16 Steel Washer
	SP-1702	1/4 Split Lock Washer
	SP-1029	1/4 - 20 Hex. Nut
	SP-834	5/16 - 18 x 3/4 Carriage Bolt
	DDL-175	29/64 x 3/4 x 1/16 Steel Washer
	SP-1703	5/16 Split Lock Washer
	902-01-040-1030	5/16 -18 Hex. Nut

50–118 RETRACTABLE CASTER ATTACHMENT



Ref. No.	Part No.	Description
1	436-01-089-0006	Brackets
2	436-02-406-0018	Rod Assembly
3	436-02-021-0001	Casters
4	436-02-067-0001	Foot Lever
5	SP-606	5/16-18 x 5/8" Hex. Hd Cap Screw
6	901-09-131-5295	3/8-16 x 1-1/2" Leveling Screw
7	SP-1026	3/8-16 Hex Nut
8	SP-1605	3/8 x 7/8 x 1/16" Washer
9	DSS-36	.867 x 1/16" Fiber Washer
10	SP-2732	5/32 x 1" Roll Pin
11	MS-109	Wavy Washer
12	436-02-019-0001	Cam
*	SP-2733	Roll Pin

*Not Shown.



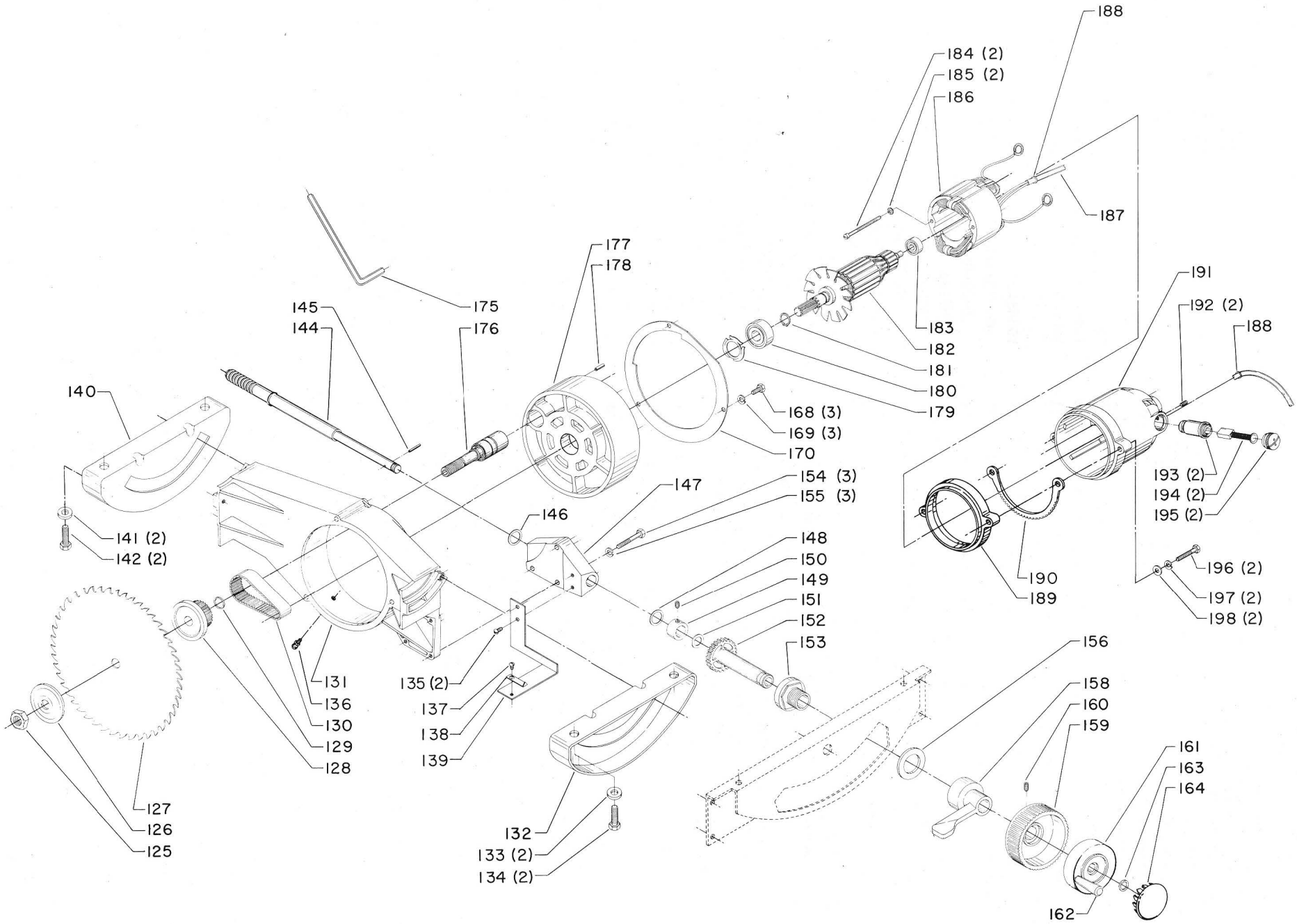
** THESE PARTS ARE NOT FURNISHED WITH THE BASIC MACHINE

Replacement Parts

Ref. No.	Part No.	Description
1	Cat. #34-822	Standard Insert, incl:
2	901-02-321-7630	#10-32 x 5/8 Flat Hd. Mach. Scr.
3	422-16-017-0003	9/64 x 3/8 x 1/4 Rubber Bushing
4	1086071	Guide Rail-Rear
5	TAM-144	5/16-18 Spec. Screw
6	422-16-104-0001	Spacer
7	1085450	Table
8	SP-154	#10-32 x 3/8 Headless Set Scr.
10	422-16-104-0001	Spacer
11	TAM-144	5/16-18 Spec. Screw
12	1086070	Guide Rail-Front
*	422-16-343-0003	Rip Fence Complete, consisting of:
15	NCS-272	Knurled Knob
16	SP-1603	1/4 x 9/16 x 3/64 Washer
*	422-16-310-0004	Front Clamp, consisting of:
17	422-16-010-0001	Front Clamp Block
18	422-16-411-0002	Knob with Stud
19	904-15-012-1553	Retaining Ring
20	422-16-010-0003	Clamp Block
21	904-01-031-7720	21/64 x 1/2 x .032 Washer
22	SP-551	#10-32 x 1/4 Rd. Hd. Mach. Scr.
23	422-16-075-0003	Pointer
24	901-01-060-9929	3/8-24 x 5/8 Hex. Hd. Cap Scr.
25	SBS-55	25/64 x 11/16 x 1/16 Washer
*	422-16-343-0002	Rip Fence, consisting of:
26	LTA-451-S	Fence
27	SP-605	5/16-18 x 1/2 Hex. Hd. Cap. Scr.
28	SP-1604	5/16 x 3/4 x 1/16 Washer
29	TCS-261	Rear Clamp Block
30	TCS-265	1/4 x 51/64 pin
31	LTA-850	Rear Clamp Hook
32	LTA-465	Spring
33	LTA-468	Rod
34	TCS-264	Lever
*	Cat. #50-864	Miter Gage Complete, consisting of:
40	NCS-160-A	Miter Gage Body, including:
41	NCS-177	1/4-28 x 1/4 Headless Set Scr.
42	NCS-173	Special Hex. Nut
43	SP-723	#8-32 x 1/2" Fil. Hd. Scr.
44	NCS-164	Hand Knob
45	DSS-79	Fiber Washer
46	NCS-168	Pivot Screw
47	NCS-162-S	Guide Bar, including:
48	NCS-177	1/4-28 x 1/4 Headless Set Scr.
49	NCS-171	Steel Pin
50	NCS-170	Stop Link
51	NCS-174	Pointer
52	NCS-166	Stud
60	422-15-031-0002	Back Cover
61	422-15-331-0001	Cabinet Assembly
62	SP-1704	3/8 Lockwasher
63	SP-640	3/8-16 x 3/4 Hex. Hd. Cap Scr.
64	901-05-221-7373	#12-24 x 1 Hex. Hd. Thread Cutting Scr.
66	901-05-221-7374	#12-24 x 2 Hex. Hd. Thread Cutting Scr.
67	902-03-060-2977	Tinnerman Nut
70	422-15-014-0002	Bracket
71	901-05-211-7372	#14A x 5/8 Hex. Hd. Sheet Metal Scr.
72	1085842	Front Cover Assembly, including:
73	960-02-012-1431	Nameplate
74	960-03-012-0425	Scale
75	1085485	Rockwell-Delta Nameplate
76	1086357	10" T. A. S. Nameplate
77	438-01-021-0105	Switch Plate
78	438-01-017-0079	Switch w/Lock Nuts
84	422-15-016-0001	Bumper
85	SP-564	#6-32 x 3/8 Rd. Hd. Mach. Scr.
86	438-01-317-0028	Overload Switch
87	SP-2954	Tinnerman Speed Nut
88	438-01-011-0035	Insulator
90	422-15-027-0001	Cable Clamp
91	438-01-007-0041	Wire Connector
92	422-16-105-0002	Sleeve
93	438-01-018-0026	Terminal
95	438-01-004-0050	Clamp
96	438-01-302-0186	Cord Set
** 98	Cat. #34-862	Extension Wing, including:
** 99	SP-664	7/16-20 x 1 Hex. Hd. Cap Scr.
** 100	SP-1716	7/16 Lockwasher
*	Cat. No. 34-638	Blade Guard, consisting of:
200	1086103	Bracket Assembly
201	SP-611	1/4-20 x 1/2" Hex. Hd. Scr.
202	SP-1614	9/32 x 5/8 x 1/16" Washer
203	1086354	Stud
205	SP-1702	1/4" Split Lockwasher
206	SP-1034	1/4"-20 Hex. Jam Nut
207	905-01-010-6729	5/32 x 11/16" Roll Pin
208	SP-629	5/16-18 x 3/8" Hex. Hd. Scr.
209	SP-1620	11/32 x 11/16 x 1/16" Washer
210	1086349	Splitter Assembly
211	1086352	Pin
212	1086336	Kick Back Finger
213	1086353	Spring
214	1086387	Push Nut
215	1086337	Pivot Bracket
216	1086334	"See-Thru" Guard
217	1086351	Pin
218	1086388	Push Nut (Cap)

* Not shown assembled.

** These parts are not furnished with Basic Machine.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Replacement Parts

Ref. No.	Part No.	Description
125	902-01-201-8563	5/8-18 Arbor Nut
126	LTA-411	Flange
127	Cat. #33-247	10" Combination Blade
128	1085459	Arbor Pulley Flange (36 Teeth)
129	904-01-012-2479	5/8 x 3/4 x 1/16 Brass Washer
130	Cat. #49-081	Positive Drive Belt
131	1085769	Bracket
132	422-16-395-0001	Trunnion
133	904-01-032-0661	13/32 x 7/8 x .180 Washer
134	SP-642	3/8-16 x 1 Hex. Hd. Cap. Scr.
135	SP-561	#10-32 x 3/8 Rd. Hd. Mach. Scr.
136	907-01-050-5241	Grease Fitting
137	SP-558	#8-32 x 1/4 Rd. Hd. Mach. Scr.
138	422-15-075-0001	Pointer
139	422-15-060-0001	Holder
140	422-16-095-0001	Trunnion
141	904-01-032-0661	13/32 x 7/8 x .180 Washer
142	SP-642	3/8-16 x 1 Hex. Hd. Cap Scr.
*	422-15-314-0001	Control Shaft Bracket Assembly, consisting of:
144	422-15-406-0001	Control Shaft w/Ring
145	SP-2704	1/8 x 3/4 Roll Pin
146	241-52	3/4 x 11/16 x 1/32 Fiber Washer
147	422-15-014-0001	Control Shaft Bracket
148	241-52	3/4 x 11/16 x 1/32 Fiber Washer
149	904-10-991-5996	Set Collar, including:
150	SP-208	1/4-20 x 1/4 Hex. Soc. Set Scr.
151	904-07-011-7783	37/64 x 7/8 x 1/32 Fiber Washer
152	422-16-351-0001	Gear (24 Teeth) w/Sleeve
153	422-16-027-0002	Tilt Clamp
154	901-01-060-3124	1/4-20 x 1 1/2 Hex. Hd. Cap Scr.
155	SP-1702	1/4 Lockwasher
156	904-01-031-7718	1 3/16 x 2 x 1/8 Washer
158	1085955	Lock Lever
159	1085957	Tilt Handwheel, including:
160	SP-232	1/4-20 x 3/8 Hex. Soc. Set Scr.
161	1085956	Elevating Handwheel, including:
162	DDL-166	Pin
163	908-13-062-0865	"O" Ring
164	448-01-031-0002	Hole Plug
168	SP-611	1/4-20 x 1/2 Hex. Hd. Cap Scr.
169	SP-1702	1/4 Lockwasher
170	422-15-079-0001	Retainer
175	955-03-020-2200	5/16" Hex. Soc. Long Wrench
*	438-02-314-0585	Motor Assembly Complete, consisting of:
176	920-10-061-6625	Arbor Bearing w/Ring
177	422-16-035-0002	Motor End Bell
178	SP-2707	5/32 x 1/2 Roll Pin
179	SP-7355	Bearing Load Spring
180	SP-5335	Ball Bearing
181	904-15-012-0293	Retaining Ring
182	438-02-335-0018	Armature Assembly
183	920-04-021-6624	Ball Bearing
184	901-02-052-2037	#10-32 x 3 Fil. Hd. Mach. Scr.
185	SP-1795	#10 External Tooth Lockwasher
186	438-02-336-0009	Field Assembly
187	438-01-011-0029	Insulating Tubing
188		Staple Ring
189	422-16-104-0006	Spacer
190	422-16-051-0001	Elevating Gear
191	422-16-031-0008	Motor Cover
192	SP-154	#10-32 x 3/8 Headless Set Scr.
193	438-02-011-0001	Brush Holder
194	438-02-007-0001	Brush
195	438-02-011-0002	Brush Cap
196	SP-619	1/4-20 x 1 3/4 Hex. Hd. Cap Scr.
197	SP-1702	1/4 Lockwasher
198	SP-1614	9/32 x 5/8 x 1/16 Washer

* Not shown assembled.

YOUR ROCKWELL WARRANTY

Rockwell is proud of the quality of the power tools which it sells. The component parts of our tools are inspected at various stages of production, and each finished tool is subjected to a final inspection before it is placed in its specially designed carton to await shipment. Because of our confidence in our engineered quality, Rockwell agrees to repair or replace any part or parts of Rockwell Power Tools or Rockwell Power Tool Accessories which examination proves to be defective in workmanship or material. In order to take advantage of this guarantee, the complete portable power tool or accessory, or in the case of machinery, the part must be returned prepaid to the appropriate factory, Rockwell service center, or authorized service station for examination. This guarantee, of course, does not include repair or replacement required because of misuse, abuse, or normal wear and tear. Repairs made by other than our factory, service center, or authorized service station, relieves Rockwell of further liability under this guarantee. THIS GUARANTEE IS MADE EXPRESSLY IN PLACE OF ALL OTHER GUARANTEES OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.

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Phone: 216 621-6329

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Gray Printing Co.

Litho in U.S.A.

Rockwell

PM-1086966

DATED 7-1-72

HARDWARE PACKAGE FOR 10" MOTORIZED SAW

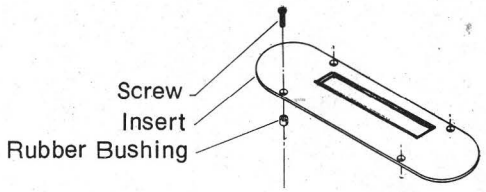
Included in this package are the following items:

Quantity	Part No.	Description
6	SP-664	7/16-20 x 1" Hex. Hd. Cap Screw
6	SP-1716	7/16" Lockwasher

For assembling extension wings to the table of your saw. Refer to the saw instruction manual for instructions on Assembling Extension Wings.

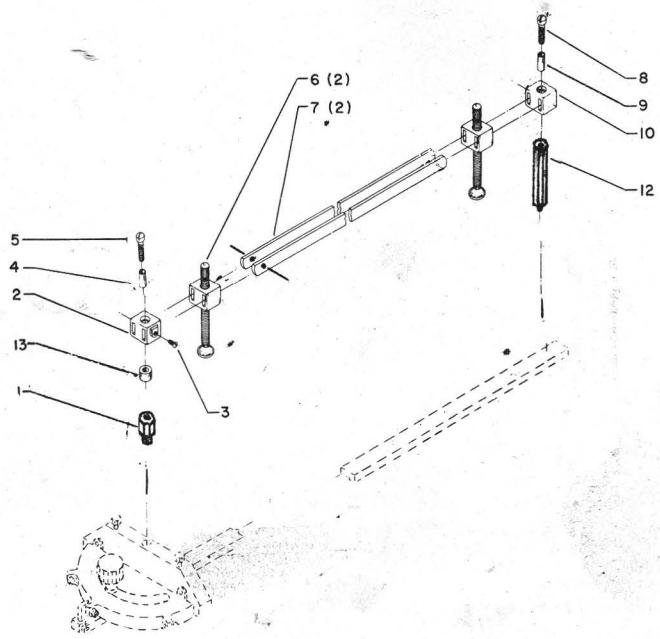
CATALOG NO. 34-823 DADO HEAD TABLE INSERT

Quantity	Part No.	Description
1	Cat. No. 34-823	Insert, consisting of;
4	901-02-321-7630	#10-32 x 5/8" Flat Hd. Machine Screw
4	422-16-017-0003	9/64 x 3/8 x 1/4 Rubber Bushing



CATALOG NO. 34-568 CLAMP ATTACHMENT FOR MITER GAGE

Quantity	Part No.	Description
1	1086948	Head Post Assembly (Consists of Items 1, 2, 3, 4, 5, and 13 Preassembled)
1	1086947	Bar Post Assembly (Consists of Items 8, 9, 10 and 12 Preassembled)
2	Cat. No. 34-873	Clamp Assemblies (Item 6)
2	NCS-224	Bars (Item 7)



ASSEMBLING CLAMP ATTACHMENT TO MITER GAGE

1. Assemble Head Post Assembly in threaded hole in miter gage head.

2. Insert Bar Post Assembly in threaded hole in miter gage bar.

3. Assemble two clamp assemblies and two bars to the head and bar post assemblies.

4. To clamp material, simply tighten the two clamp assemblies.

REPLACEMENT PARTS FOR CATALOG NO. 34-568 CLAMP ATTACHMENT

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
*	1086948	Head Post Assembly including:	*	1086947	Bar Post Assembly, including;
1	1086945	Post	8	SP-710	1/4-20 x 7/8" Fil Hd. Scr.
2	NCS-226	Block	9	NCS-165	Sleeve
3	SP-567	#6-32 x 1/4" Rd. Hd. Scr.	10	NCS-226	Block
4	NCS-165	Sleeve	12	1086944	Post
5	SP-729	1/4-20 x 1 1/4" Fil. Hd. Scr.	13	S-4	Spacer
6	Cat. No. 34-873	Clamp Assembly	*	Not shown assembled	
7	NCS-224	Bar			

Rockwell
MANUFACTURING COMPANY
400 N. Lexington Ave. • Pittsburgh, Pa. 15208

PM-1086923

DATED 2-15-72

50–108 STAND AND 50–118 RETRACTABLE CASTER ATTACHMENT FOR 9" AND 10" MOTORIZED CIRCULAR SAWS

ASSEMBLING STAND

1. Remove stand from carton.

2. Lay the back panel (A) Fig. 2, on a table or floor with the inside of the panel facing up. NOTE: The bottom of the panels can be determined by the holes for the retractable caster attachment (B).

3. Assemble the four side braces (C) and (D) Fig. 2, to the back panel using the six bolts, washers, lockwashers and nuts (E). IMPORTANT: The top braces (C) must be assembled to the back panel (A) with the top lip (F) of the panel positioned underneath the brace (G) as shown in Fig. 2.

4. Assemble the front panel (H) to the four side braces (C) as shown in Fig. 2, and place the stand in the upright position.

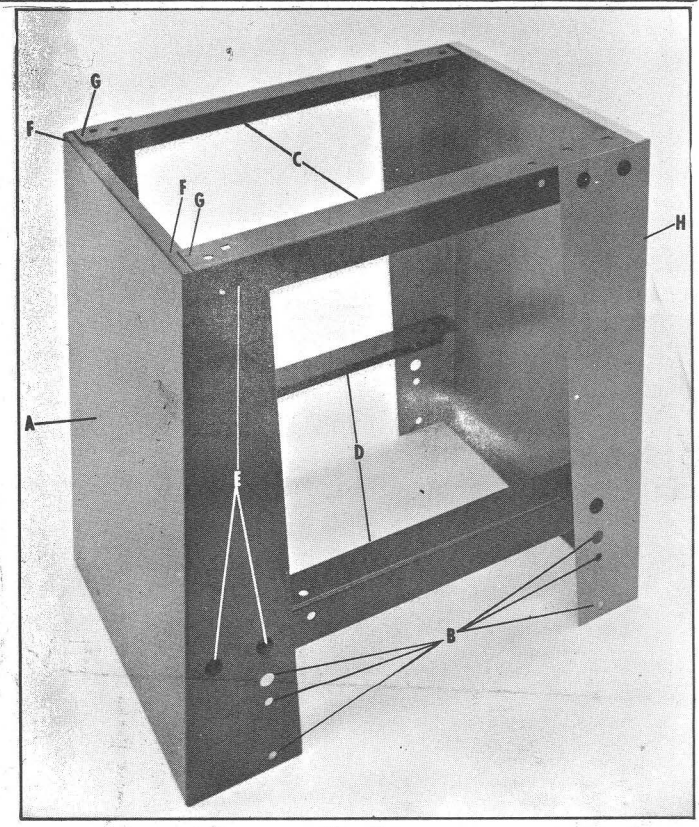


Fig. 2.

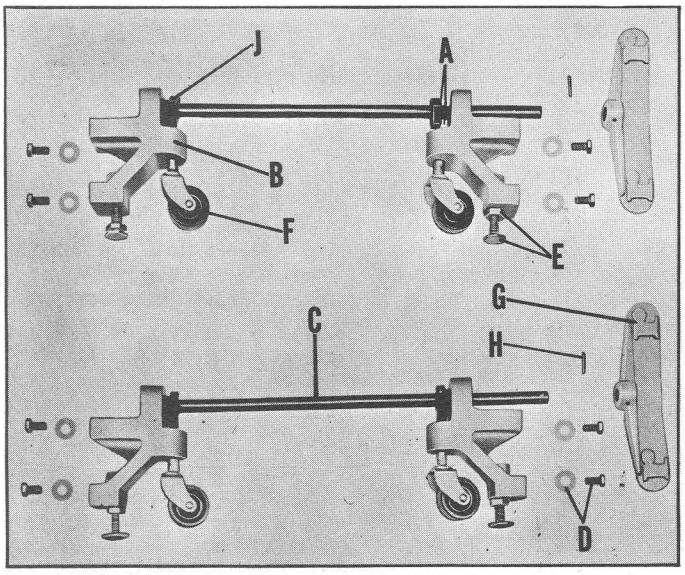


Fig. 3.

ASSEMBLING RETRACTABLE CASTER ATTACHMENT

1. The foot levers can be mounted on either side of the stand. Decide which side you wish to mount them and lay the stand on its back.

2. Place the cams (J) spring washer and fiber washers (A) along with the brackets (B) on the rod assemblies (C), as shown in Fig. 3.

3. Place the rod assemblies (C) Fig. 3, up in the inside of the stand and insert the long end of the rod through the large knockout holes in the front and rear panel on the side you want the foot levers.

4. Attach the brackets (B) to the front and rear panels using the eight screws and washers (D) Fig. 3.

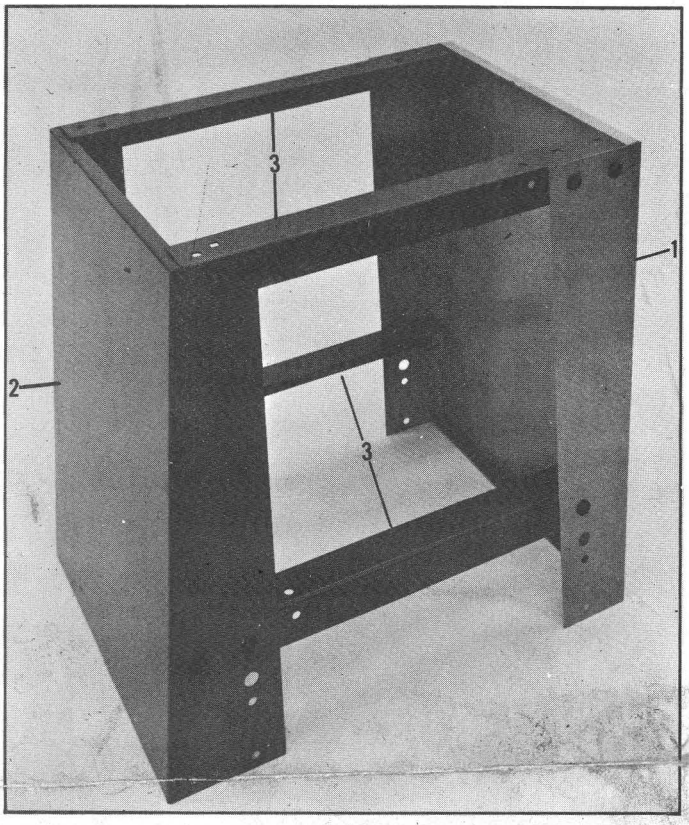
5. Attach the leveling screws and nuts (E) to the brackets (B) Fig. 3. Then assemble the casters (F) to the brackets (B).

6. Attach the foot lever (G) to the long end of the bars using the roll pin (H) Fig. 3.

7. Return the stand to its normal position and adjust the leveling screws if necessary.

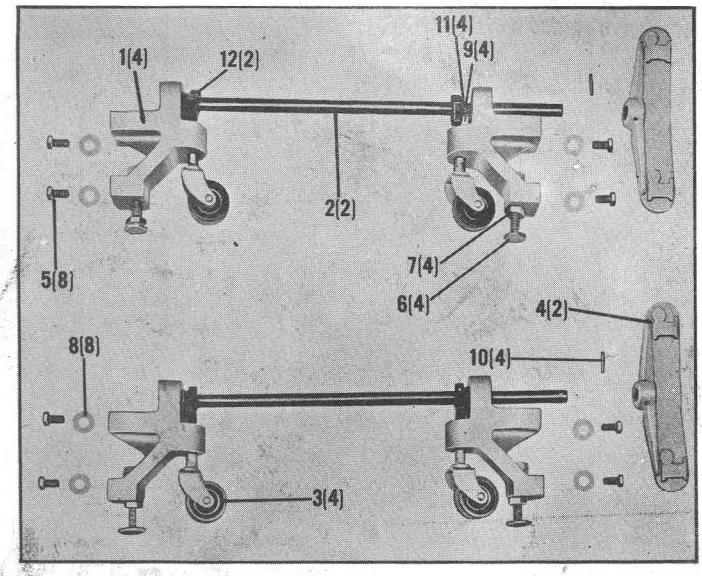
Replacement Parts

50–108 STAND



Ref. No.	Part No.	Description
1	436-02-331-0003	Front Panel
2	436-02-331-0004	Back Panel
3	436-02-403-0002	Side Braces
	SP-626	1/4 - 20 x 3/4 Hex. Head Cap Screw
	904-01-031-7712	17/64 x 13/16 x 1/16 Steel Washer
	SP-1702	1/4 Split Lock Washer
	SP-1029	1/4 - 20 Hex. Nut
	SP-834	5/16 - 18 x 3/4 Carriage Bolt
	DDL-175	29/64 x 3/4 x 1/16 Steel Washer
	SP-1703	5/16 Split Lock Washer
	902-01-040-1030	5/16 -18 Hex. Nut

50–118 RETRACTABLE CASTER ATTACHMENT



Ref. No.	Part No.	Description
1	436-01-089-0006	Brackets
2	436-02-406-0018	Rod Assembly
3	436-02-021-0001	Casters
4	436-02-067-0001	Foot Lever
5	SP-606	5/16-18 x 5/8" Hex. Hd Cap Screw
6	901-09-131-5295	3/8-16 x 1-1/2" Leveling Screw
7	SP-1026	3/8-16 Hex Nut
8	SP-1605	3/8 x 7/8 x 1/16" Washer
9	DSS-36	.867 x 1/16" Fiber Washer
10	SP-2732	5/32 x 1" Roll Pin
11	MS-109	Wavy Washer
12	436-02-019-0001	Cam
*	SP-2733	Roll Pin

*Not Shown.

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PM-1086486

DATED IM 7-1-71

34—638 BLADE GUARD FOR 9" AND 10" MOTORIZED SAWS

INTRODUCTION

The blade guard for Rockwell Delta 9" and 10" Motorized Saws are splitter mounted type guards and give the operator maximum protection.

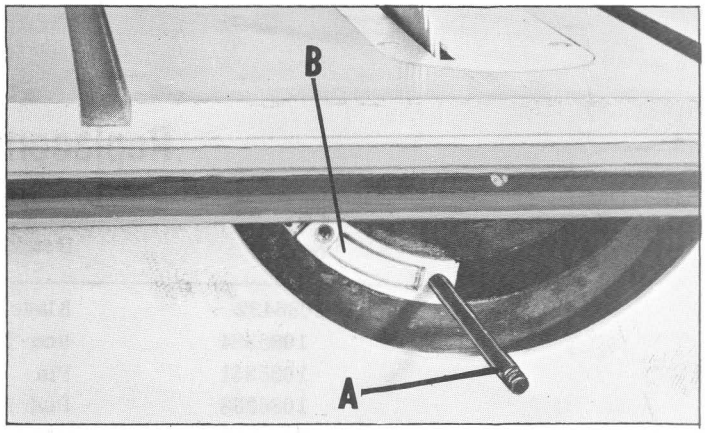

Fig. 1.

INSTALLATION

1. Assemble the threaded rod (A) Fig. 1, to the right hand hole in the sliding trunnion bracket (B).

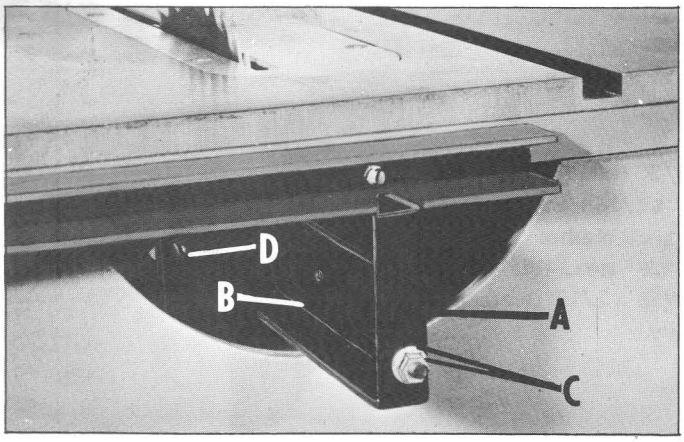

Fig. 2.

2. Assemble the bracket (A) Fig. 2, to the threaded rod (B) and fasten finger tight using the nut and washer (C). The round head screw (D) is used to fasten the left side of the bracket to the sliding trunnion bracket.

3. To make certain that the edge of the bracket is in parallel alignment with the saw blade, place a board on the table of the saw against the saw blade and extending out over the rear end of the table, as shown in Fig. 3. Then with a square on the board, as shown in Fig. 3. adjust the bracket until it is in parallel alignment with the saw blade and tighten nut (A) and screw (B) Fig. 3.

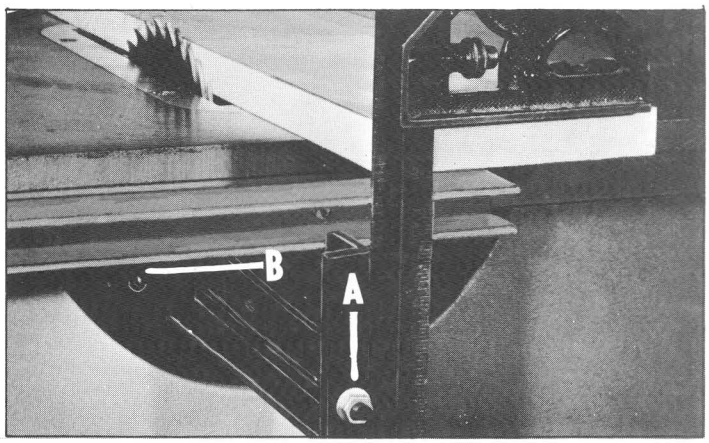

Fig. 3.

4. Assemble the splitter, guard and anti-kickback finger assembly to the bracket using two screws, washers and nuts, as shown in Fig. 4.

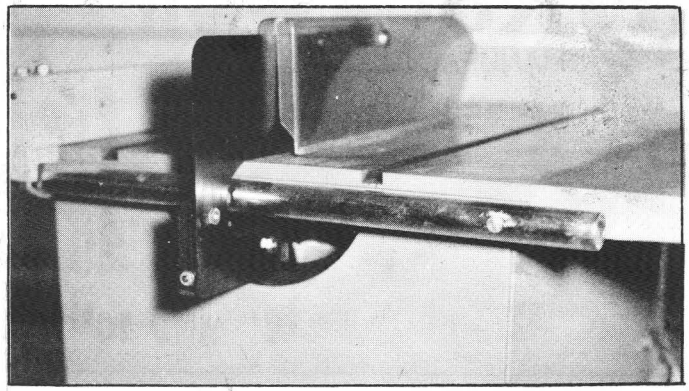

Fig. 4.

Replacement Parts

Part No.	Description
1086432	Blade Guard Ass'y., consisting of:
1086334	See-Thru Guard
1086351	Pin
1086388	Push Nut (Cap)
1086336	Kick Back Finger
1086353	Spring
1086352	Pin
1086387	Push Nut
1086337	Pivot Bracket
905-01-010-6729	5/32 x 11/16" Roll Pin
1086349	Splitter Ass'y.
1086354	Stud
SP-611	1/4-20 x 1/2" Hex. Hd. Cap Scr.
SP-1614	9/32 x 5/8 x 1/16" Washer
SP-1702	1/4" Split Lock Washer
SP-629	5/16-18 x 3/8" Hex. Hd. Cap Scr.
SP-1620	11/32 x 11/16 x 1/16" Washer
422-16-314-0005	Bracket Ass'y.

422-02-753-0001
2/66

IMPORTANT

RIP FENCE ADJUSTMENT

1. This rip fence is adjustable.
2. To adjust, position fence along table groove.
3. Loosen the 2 bolts at front end of fence body, see sketch.
4. Move fence body right or left so that it will be parallel to table groove.

5. Retighten 2 bolts securely.

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422-16-753-0001

MOTOR PROTECTION

OVERLOADING OR LOW VOLTAGE WILL CAUSE THE MOTOR TO STOP. IF THIS HAPPENS, TURN OFF SWITCH AND PULL PLUG. ALLOW MOTOR TO COOL 2 OR 3 MINUTES, AND PRESS RED RESET BUTTON.

IF AN EXTENSION CORD IS USED, THE FOLLOWING IS RECOMMENDED: #14 WIRE FOR 9" SAW, MAXIMUM 50 FEET – #12 WIRE FOR 10" SAW, MAXIMUM 50 FEET.

THE CONTENTS OF THIS PACKAGE HAVE BEEN CHECKED. CLAIMS FOR SHORTAGE OR ERROR MUST BE ACCOMPANIED BY THIS SLIP TOGETHER WITH CATALOG OR ASSEMBLY NUMBER.

PACKER'S NO. T-104

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